

WHAT IS CLAIMED IS:

1           1. In a telecommunications system, a method for  
2 selectively forwarding an incoming message to a subscriber  
3 over a packet-switched network, said method comprising the  
4 steps of:

5                 receiving said incoming message, said incoming  
6 message to said subscriber containing therein a data type  
7 parameter;

8                 determining, within a home location register for  
9 said subscriber, a call forwarding parameter associated  
10 within said subscriber corresponding to said data type  
11 parameter; and

12                 routing said incoming message, pursuant to said  
13 call forwarding parameter, over said packet-switched network  
14 to said subscriber.

1           2. The method according to claim 1, further comprising  
2 the steps of:

3                 transmitting, by said subscriber, a call forwarding  
4 activation request to said home location register; and

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5 storing, pursuant to said call forwarding  
6 activation request, said forwarding parameter within said  
7 home location register.

1 3. The method according to claim 1, wherein said  
2 packet-switched network is the Internet.

1 4. The method according to claim 1, wherein said step  
2 of routing further comprises the step of routing said  
3 incoming message over said packet-switched network to an  
4 address destination on said packet-switched network.

1 5. The method according to claim 1, wherein said step  
2 of routing further comprises the step of routing said  
3 incoming message through said packet-switched network and  
4 then back to said telecommunications system.

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1 6. The method according to claim 1, wherein said call  
2 forwarding parameter derived from said incoming message  
3 comprises an indication that said call forwarding is  
4 activated for data and fax information.

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1           7. The method according to claim 1, wherein said call  
2 forwarding parameter derived from said incoming message  
3 comprises an indication that said call forwarding is  
4 activated for incoming calls that incur toll charges.

1           8. The method according to claim 1, wherein said  
2 incoming message includes a designated packet-switched  
3 network address destination.

9. A telecommunications system for selectively  
forwarding an incoming message to a subscriber over a packet-  
switched network, said system comprising:  
a home location register to which said subscriber  
is assigned;  
a home database, attached to said home location  
register, for storing therein a call forwarding profile for  
said subscriber, said call forwarding profile containing  
therein at least one call forwarding parameter associated  
with said subscriber, each said call forwarding parameter

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11 corresponding to a data type parameter contained in said  
12 incoming message; and  
13 routing means for routing said incoming message,  
14 pursuant to said call forwarding parameter, over said packet-  
15 switched network to said subscriber.

1 10. The telecommunications system according to claim  
2 9, further comprising:

3 a mobile terminal for transmitting by said  
4 subscriber a call forwarding activation request to said home  
5 location register, said call forwarding activation request  
6 updating said call forwarding profile of said subscriber  
7 within said home database.

1 11. The telecommunications system according to claim  
2 10, wherein said packet-switched network is the Internet.

1 12. The telecommunications system according to claim  
2 11, wherein said call forwarding activation request includes  
3 an Internet protocol address destination.

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1 13. The telecommunications system according to claim  
2 12, wherein said Internet protocol address destination is  
3 associated with a terminal connected to said Internet.

1 14. The telecommunications system according to claim  
2 12, wherein said Internet protocol address destination is  
3 associated with said mobile terminal.

1 15. The telecommunications system according to claim  
2 10, wherein said call forwarding activation request includes  
3 a provision to forward via said packet-switched network  
4 incoming calls comprised of fax and data information.

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1 16. The telecommunications system according to claim  
2 10, wherein said call forwarding activation request includes  
3 a provision to forward via said packet-switched network  
4 incoming calls which incur toll charges.

1 17. The telecommunications system according to claim  
2 10, wherein said subscriber inputs a designated Internet  
3 protocol address destination to said mobile terminal.

1           18. The telecommunications system according to claim  
2           17, wherein said mobile terminal checks said designated  
3           Internet protocol address destination.

1           19. The telecommunications system according to claim  
2           17, wherein said mobile terminal, in conjunction with a  
3           mobile switching center, verifies the existence of said  
4           designated Internet protocol address destination.

1           20. The telecommunications system according to claim  
2           10, wherein said call forwarding activation request is  
3           transmitted to said home database via said packet-switched  
4           network.

1           21. A mobile terminal, associated with a subscriber,  
2           for selectively indicating the forwarding of an incoming  
3           message thereto over a packet-switched network, said mobile  
4           terminal comprising:

5                   input means for inputting, by said subscriber, a  
6           call forwarding activation request; and

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7 transmission means for transmitting said call  
8 forwarding activation request, whereby said incoming message  
9 is forwarded to said subscriber, pursuant to said call  
10 forwarding activation request, over said packet-switched  
11 network.

22. The mobile terminal according to claim 21, wherein  
said input means further comprises a key means for inputting  
said call forwarding activation request by pressing a single  
key.

23. The mobile terminal according to claim 21, wherein  
said input means further comprises a menu means for inputting  
said call forwarding activation request.

24. The mobile terminal according to claim 21, wherein  
said packet-switched network is the Internet and said call  
forwarding activation request comprises an Internet protocol  
address.

1           25. The mobile terminal of Claim 24, wherein said input  
2 means further comprises format checking means for checking  
3 whether a respective inputted Internet protocol address is  
4 in a proper format.

1           26. The mobile terminal of Claim 23, wherein said call  
2 forwarding activation request is selected from the group  
3 consisting of (i) fax and data only Internet call forwarding,  
4 (ii) long distance only Internet call forwarding, (iii) e-  
5 mail Internet protocol address call forwarding, and (iv)  
6 combinations of (i), (ii) and (iii).

7           27. The mobile terminal of Claim 21, further comprising  
8 Internet call forwarding indicator means for providing an  
9 indication to a subscriber that Internet call forwarding is  
10 activated.